

ART. XIII.—*Notes on Some Upper Palæozoic Polyzoa, from Queensland.*

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The geographical distribution of fossil species being a point of some importance in palæontological inquiry, I have the pleasure of forwarding to the Royal Society a few notes on the occurrence of certain species of polyzoa in the upper palæozoic rocks of Queensland, which have hitherto been recorded from similar deposits in New South Wales and Tasmania. The specimens in question form part of a collection of corals forwarded to me by my friend Richard Daintree, Esq., F.G.S., with a view to their identification, and for which I take this opportunity of returning him my best thanks. The specimens of polyzoa are all in the form of casts, but from the manner in which some of the pieces of matrix are crowded with the polyzoal remains, one of the species at least, *Polypora ampla*, Lonsdale, must have existed in considerable quantity. I have been enabled to recognise three species, viz., *Polypora ampla*, Lonsdale, *Fenestella fossula*, Lonsdale (a form allied to), and an undetermined species of *Fenestella*.

For the very truthful drawings accompanying these notes I am indebted to my friend and colleague, C. R. Bone, Esq., draughtsman to the Geological Survey, London.

POLYPORA AMPLA, *Lonsdale. Figs. 1 and 1a.*

*Description.*—The polyzoarium is regular and infundibuliform, with the celluliferous surface looking inwards; the interstices are straight, broad and flat, branching dichotomously, with the celluliferous surface covered with numerous rows of alternating cell apertures, and they enlarge considerably previous to bifurcation; the dissepiments are short; the fenestrules large, with the margins sometimes a little crenulate from the projection of the lateral rows of apertures; the cell apertures themselves are round, with slightly projecting margins; the reverse face is granular.

*References.*—*Fenestella ampla*, Lonsdale, Darwin's *Geol. Obs. Volcanic Islands*, 1844, Appendix p. 163; *ibid.*, Morris, Strzelecki's *Physical Descr. N. S. Wales, &c.* 1845, pl. 9,



